

**What is claimed is:**

1. A method for controlling an ozone production rate of an ozone generator, comprising the steps of:

5 generating a first signal for controlling the ozone production rate;

generating a second signal, wherein an ON/OFF time ratio of the second signal is determined according to the first signal; and

10 applying a high-frequency signal for producing ozone to the ozone generator only when the second signal is at ON state.

2. The method of Claim 1, wherein the first signal is a DC (Direct Current) signal with a voltage level ranging from 5 to 10 volts.

3. The method of Claim 1, wherein the second signal is a pulse having a frequency ranging from 1 Hz (Hertz) to 5 kHz (kilo-Hertz).

4. The method of Claim 1, wherein the high-frequency signal is a pulse having a frequency ranging from 1 kHz to 50 kHz.

5. A device for controlling an ozone production rate,

comprising:

means for generating a first signal for controlling the ozone production rate;

5 means for generating a second signal, wherein an ON/OFF time ratio of the second signal is determined according to the first signal;

means for generating a high-frequency signal only when the second signal is in an ON state; and

10 means for generating ozone when the high-frequency signal is applied thereto.

6. The device of Claim 5, wherein the first signal is a DC.

15 7. The device of Claim 5, wherein the second signal is a pulse having a frequency ranging from 1 Hz to 5 kHz.

8. The device of Claim 5, wherein the high-frequency signal is a pulse having a frequency ranging from 1 kHz to  
20 50 kHz.